

SUGGESTED READING LIST

for

COUNTY AGRICULTURAL INSPECTOR/BIOLOGIST EXAMINATIONS

The California Department of Food and Agriculture has compiled the attached reading list which may be helpful to candidates studying for the County Agricultural Inspector/Biologist examinations. It is not possible to make this list all inclusive, or to include all the material which may be necessary to pass the examinations. All material which is in bold print are publications candidates should focus on for the year **2009** examinations. The majority of the examination questions will come from the items in bold print.

SOURCES OF INFORMATION

Many of the suggested references can be found in public libraries or may be available for review in County Agricultural Commissioners' Offices. Copies of University publications can usually be reviewed at offices of the Agricultural Extension Service.

The Plant Industry (Food and Agricultural Code extracts) which is shown as a reference on the following pages is a compilation of the following divisions of the Food and Agricultural Code: State Administration (Division 1); Local Administration (Division 2); Plant Quarantine and Pest Control (Division 4); Animal and Poultry Quarantine and Pest Control (Division 5); Vessels and Aircraft Garbage (Division 8); Bee Management and Honey Production (Division 13); Field Crops, Seeds, Seed Potatoes, One-Variety Cotton Districts, and Nursery Stock Grades and Standards (Division 18). This information is also available online at no charge at www.leginfo.ca.gov/calaw.html

****Prices are subject to change.***

6/23/2009

SUGGESTED READING LIST

COUNTY AGRICULTURAL INSPECTOR/BIOLOGIST EXAMINATIONS

1. Pesticide Regulation

Items that are in bold print are publications candidates should focus on.

1. **The Safe and Effective Use of Pesticides, 2nd Edition.** University of California Publication #3324. Available through the County Cooperative Extension Program, (800)-994-8849 or on the Internet @ <http://anrcatalog.ucdavis.edu> **\$32.00***
2. **California Food and Agricultural Code Extracts Division 6 - Volume One section 11401 - 12500 and Division 7 - Volume 2 section 12501 - 32500, pertaining to Pesticides and Pest Control Operations.** Available on online: <http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=fac&codebody=&hits=20>
3. **Title 3, California Code of Regulations (Pertaining to Pesticides and Pest Control Operations.** Available online: www.cdpr.ca.gov/docs/legbills/opramenu.htm
4. **Structural Pest Control Act with Rules and Regulations.** Available through the Structural Pest Control Board, 1418 Howe Avenue, Sacramento, CA 95825, (916) 263-2544. Make check or money order payable to SPCB. **\$5.00**
5. **Investigation Procedures, Volume 5 of the Pesticide Use Enforcement Program Standards Compendium:** Completed in 2006. Replaces the Investigative Sampling, Investigative Techniques, and Pesticide Episode Investigations manuals. Available online: http://www.cdpr.ca.gov/docs/enfcmpli/compend/vol_5/investigation_procedure.pdf
6. **Restricted Materials and Permitting, Volume 3 of the Pesticide Use Enforcement Program Standards Compendium:** Completed in 2006. Replaces the previous restricted materials manual last issued in 1997. Available online: http://www.cdpr.ca.gov/docs/enfcmpli/compend/vol_3/entirerep.pdf
7. **Inspection Procedures:** How to conduct pesticide use monitoring, pest control records, pesticide pre-application site and fieldworker safety inspections. Original materials developed in February 1997 and updated in 2003. Available online: <http://www.cdpr.ca.gov/docs/county/training/insppred/ipmanual.pdf>
8. **Methyl Bromide Field Fumigation:** Methyl bromide field fumigation regulations which include worksite plans, notification and buffer zone requirements, fumigation methods and worker safety protection. Updated in October 2004. Available online: <http://www.cdpr.ca.gov/docs/county/training/methbrom/mebrman.pdf>
9. **Pesticide Wildlife Incident Response Plan:** Being developed cooperatively by the Departments of Fish and Game, Pesticide Regulation, and the California Agricultural Commissioners and Sealers Association -- implementing a plan for dealing with pesticide related incidents involving injury to fish and wildlife resources. Available online: <http://www.cdpr.ca.gov/docs/enfcmpli/penfltrs/penf2000/2000atch/attach30.pdf>
10. **Procedural Guidance for Pesticide Enforcement Personnel:** An overall perspective of the statewide pesticide regulatory program. Original materials developed in June 1999. Available online: <http://www.cdpr.ca.gov/docs/county/training/prcdguid/prcdgdmn.pdf>

11. Worker Protection Standard: Understanding and implementing California regulations and the federal Worker Protection Standard. Original materials developed in August 1996.
Available online: <http://www.cdpr.ca.gov/docs/county/training/wrkrprtc/wrkrtrnr.pdf>
12. Enforcement Options Chart: The following materials were presented at the 2004 Structural Symposium held in Sacramento on March 23, 24 2004. The materials presented here can be very useful in training new staff on conducting the structural enforcement program.
Available online: <http://www.cdpr.ca.gov/docs/county/training/strucpst/symp2004/enfopho.pdf>

2. Environmental Monitoring and Investigation

Available from County Agricultural Commissioners' Offices or Department of Pesticide Regulation, Pesticide Enforcement Branch, 1001 I Street, P.O. Box 4015, Sacramento, California 95812-4015, (916) 323-3885.

Items in bold print are publications candidates should focus on:

1. **Division 6 and 7 of the California Food and Agricultural Code, pertaining to Pesticides and Pest Control Operations:**

Available online: <http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=fac&codebody=&hits=20>

2. **California Code of Regulations, Title 3, Food and Agriculture, Division 6, Pesticides and Pest Control Operations:**

Available online: http://www.cdpr.ca.gov/docs/inhouse/calcode/chapter_.htm

3. **Business and Professions Code, Division 3, Structural Pest Control Operators:**

Available online: <http://www.pestboard.ca.gov/pestlaw/bpcode.htm>

4. **California Code of Regulations, Title 16, Professional and Vocational Regulations, Division 19, Structural Pest Control Board:**

Available online: <http://www.pestboard.ca.gov/pestlaw/regstoc.htm>

Items 3 and 4 are additionally available as a priced publication in a print version in the form of: **Structural Pest Control Act with Rules and Regulations**. This publication contains applicable Business and Professions Code and Title 16 sections. Contact the Structural Pest Control Board at 1418 Howe Avenue, Sacramento CA 95825; (916) 263-2544.

5. **Regulating Pesticides: The California Story, A Guide to Pesticide Regulation in California:**

DPR Price Publication #203.

Available online: <http://www.cdpr.ca.gov/docs/pressrls/dprguide1.htm>

6. ****The Safe and Effective Use of Pesticides, 2nd Edition:** University of California Publication #3324.

Available through the County Cooperative Extension Program, (800) 994-8849. Order online:

<http://www.anrcatalog.ucdavis.edu/merchant.ihtml?pid=271&step=4>

7. **Investigation Procedures, Volume 5 of the Pesticide Use Enforcement Program Standards Compendium** completed in 2006 replaces the Investigative Sampling, Investigative Techniques, and Pesticide Episode Investigations manuals:

Available online: http://www.cdpr.ca.gov/docs/enfcmpli/compend/vol_5/investigation_procedure.pdf

8. **Procedural Guidance for Pesticide Enforcement Personnel, June 24, 1999:**

Available online: <http://www.cdpr.ca.gov/docs/county/training/prcdguid/prcdgdmn.pdf>

9. **Pesticide Regulation: Enforcement Response Policy, August 2005:**

Available online: <http://www.cdpr.ca.gov/docs/enfcmpli/erp.pdf>

10. **Enforcement Guidelines, Technical Revision, August 2005:**

Available online: <http://www.cdpr.ca.gov/docs/enfcmpli/guidelns.pdf>

11. **Memorandum of Understanding Between the Department of Industrial Relations, Department of Pesticide Regulation, and the California Agricultural Commissioners and Sealer Association for Employee Protection at the Pesticide Workplace.** Attachment to ENF-93-9.

12. Memorandum of Understanding Between the Department of Pesticide Regulation, the Department of Consumer Affairs, and the California Agricultural Commissioners and Sealers Association Pertaining to Structural Pest Control Activities. Attachment to ENF 98-036.
13. Memorandum of Understanding Between the Department of Fish and Game, the Department of Pesticide Regulation and the California Agricultural Commissioners and Sealers Association, January 26, 1995. Attachment to Pesticide/Wildlife Incident Response Plan, April 2000:
Available online: <http://www.cdpr.ca.gov/docs/enfcmpli/penfltrs/penf2000/2000atch/attach30.pdf>
14. Cooperative Agreement Between the State of California Department of Pesticide Regulation, California Agricultural Commissioners and Sealers Association and the United States Environmental Protection Agency, November 17, 2003:
Available online: <http://www.cdpr.ca.gov/docs/enfcmpli/penfltrs/penf2003/2003atch/attach39.pdf>
15. Hearing Officer Roundtable Project, June 2004:
Available online: <http://www.cdpr.ca.gov/docs/county/training/hrngofcr/hearofficer.htm>

In addition, we recommend reviewing Food and Agricultural Code sections 11735, 12999.5, 12999.6, 13000, and 14008; Business and Professions Code sections 8617 and 8662; 3CCR section 6130; and 16CCR section 1922.
16. **Grape Pest Management, University of California Publication #3343, 1992, 2nd Edition:
Order online: <http://anrcatalog.ucdavis.edu/merchant.ihtml?pid=289&step=4>
17. **IPM in Practice. Principles and Methods of Integrated Pest Management, 2001: Eds. M.L. Flint and P. Gouveia. UC Statewide IPM Project. University of California Publication #3418.
Order online: <http://anrcatalog.ucdavis.edu/merchant.ihtml?pid=5382&step=4>
18. Alternatives to Methyl Bromide for Control of Soil-Borne Diseases and Pests in California: DPR Publication PM 01-01, 2000.
Available online: <http://www.cdpr.ca.gov/docs/dprdocs/methbrom/alt-anal/sept2000.pdf>
19. Enforcement Letter 2003-026, Metam-Sodium Applications, Summer 2003:
Available online: <http://www.cdpr.ca.gov/docs/enfcmpli/penfltrs/penf2003/2003atch/attach26.pdf>
20. *Guide to Sampling Air, Water, Soil, and Vegetation for Chemical Analysis. Rev. June 1994 by Roger Sava. DPR Price Publication.
Available online: <http://www.cdpr.ca.gov/docs/empm/pubs/ehapreps/eh9404.pdf>
21. Information on specific pest control business and individual license types and requirements is available online: <http://www.cdpr.ca.gov/docs/license/lictypes.htm>
- * DPR Price Publication is available from the Department of Pesticide Regulation, 1001 I Street, P.O. Box 4015, Sacramento California 95814-4015; or call (916) 323-3885. Make checks payable to: "Cashier, Department of Pesticide Regulation." Some of these publications may also be available for review at County Agricultural Commissioner Offices.

** Not Available from DPR. See contact information in description. May be available from: Publications, Division of Agricultural and Natural Resources, University of California, 6701 San Pablo Avenue, Oakland, CA 94608; or call (510) 642-2431. These publications may also be available from: Agricultural Information Publications, University of California, Davis, CA 95616; or call (916) 757-8930. Make checks payable to: “Regents of the University of California” (sales tax is included). In addition, various University of California Agricultural and Natural Resources publications may be ordered online at: <http://anrcatalog.ucdavis.edu>; some publications may also be available for review or sale at the local County Farm Advisor’s Office.

For content questions contact:

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3. Integrated Pest Management

Items in bold print are publications candidates should focus on.

a. Insect and Disease Pest Management and Biological Control

1. State of California Reference Materials:

- a. California Plant Pest and Disease Report (A complete and updated list of pest ratings).
- b. California Agricultural Resources Directory.

Available from the Department of Food and Agriculture, Division of Plant Industry, 1220 "N" Street, Suite A-357, Sacramento, California 95814.

2. University of California Reference Materials:

- a. University of California Series - Study Guides for Agricultural Pest Control Advisors:

Insects, Mites and Other Invertebrates	Pub. 4044
Nematodes and Nematicides	Pub. 4045
Plant Diseases	Pub. 4046
Principles & Methods of Integrated Pest Management	Pub. 3418

- b. University of California Series - Integrated Pest Management for:

Alfalfa Hay	Pub. 4101
Almonds	Pub. 3308
Apples & Pears.....	Pub. 3340
Citrus (2nd Edition)	Pub. 3303
Cole Crops & Lettuce	Pub. 3307
Cotton	Pub. 3305
Floriculture & Nurseries	Pub. 3402
Grapes (2nd Edition)	Pub. 3343
Nurseries	Pub. 3332
Pests of the Garden and Small Farm	Pub. 3332
Potatoes	Pub. 3316
Rice.....	Pub. 3280
Small Grains.....	Pub. 3333
Tomatoes	Pub. 3294
Walnuts	Pub. 3270

Available from University of California, Division of Agriculture and Natural Resources, 6701 San Pablo Avenue, Oakland, California 94608, (510) 987-0505 or through the County Cooperative Extension Program, 1-800-994-8849 or on the Internet @ <http://anrcatalog.ucdavis.edu/>.

3. Biological Control & Insect Pest Management:

Biological Control & Insect Pest Management	Pub. 4096
Grape Pest Management	Pub. 3343
Pear Pest Management	Pub. 4081
The Safe and Effective Use of Pesticides.....	Pub. 3324
Pests of the Garden and Small Farm	Pub. 3332

University of California Reference Materials:

- a. University of California Series - Study Guides for Agricultural Pest Control Advisors:
Insects, Mites and Other Invertebrates..... Pub. 4044
- b. University of California Series - Integrated Pest Management for:
 - 1. Apples & Pears..... Pub. 3340
 - 2. **Citrus** **Pub. 3303**
 - 3. Cotton Pub. 3305
 - 4. **Walnuts** **Pub. 3270**

Available from University of California, Division of Agriculture and Natural Resources, 6701 San Pablo Avenue, Oakland, California 94608, (415) 642-2431 or through the County Cooperative Extension Program, 1-800-994-8849 or on the Internet @ <http://anrcatalog.ucdavis.edu>.

Other Reference Materials:

- a. **An Introduction to Biological Control, 1982. van Den Bosch, R., P.S. Messenger, and A.P. Gutierrez. Chapter 3, 4 and 10.**
 - b. **Biological Control by Natural Enemies, 1991 (Second edition). Debach, P., and D. Rosen. Chapter 2.**
 - c. **Theory and Practice of Biological Control, 1976. Huffaker, C.B., and P.S. Messenger. Chapter 5.**
 - d. **Biological Control of Insect Pests and Weeds, P. Debach. Chapter 1 and 23.**
 - e. **Biological Control by Augmentation of Natural Enemies 1977. Ridgway, R.L., and S.B. Vinson. Chapters 13 and 14.**
 - f. **Subtropical Fruit Pests. W. Ebeling, 1959. Chapter 7.** (Available from University of California, Division of Agriculture and Natural Resources, 6701 San Pablo Avenue, Oakland, California 94608, (415) 642-2431 or through the County Cooperative Extension Program, 1-800-994-8849 or on the Internet @ <http://anrcatalog.ucdavis.edu>.)
4. Pest Management (Food and Agriculture Code) pertaining to pesticides and pest control operations. Title 3 can be purchased from Barclays Law Library: (415) 244-6611 or available on the internet @ <http://www.leginfo.ca.gov/calaw.html>.
5. Other Reference Materials:
- a. **Destructive & Useful Insects. Metcalf, Flint, & Metcalf**
 - b. **Agrios, G. (1997). Plant Pathology, 4th Edition. Academic Press. 635pp.**
 - c. **Urban Entomology. Walter Ebling**
 - d. **MOU, regarding IPM signed by DPR, CACASA and CDFA, June 15, 2001**

b. Vertebrate Pest Management

1. Publication 21385, Wildlife Pest Control Around Gardens and Homes. Available from University of California, ANR, 6701 San Pablo Avenue, Oakland, California 94608-1239, (530) 642-2431 or through the County Cooperative Extension Program, 1-800-994-8849 or on the Internet @ <http://anrcatalog.ucdavis.edu>.

c. Weed Control

1. University of California Extension Circulars. Available from Offices of Farm Advisors, County Agricultural Commissioner, public libraries or University of California, ANR, 6701 San Pablo Avenue, Oakland, California 94608-1239, (415) 642-2431. Also available through the County Cooperative Extension Program, 1-800-994-8849 or on the Internet @ <http://anrcatalog.ucdavis.edu>.
2. **Weeds of California by Robbins, Bellue, and Ball.** Available at public libraries.
3. **Weed Control by Robbins, Crafts, and Raynor, Second Edition, published by Mc Graw-Hill.** Available from public libraries or book stores.
4. **Study Guides for Agricultural Pest Control Advisors:**
 - a. **Study Guide 3324: The Safe and Effective Use of Pesticides.**
 - b. **Study Guide 4050: Weed Control**Available from local libraries or University of California, ANR, 6701 San Pablo Avenue, Oakland, California 94608-1239, 1-800-994-8849, <http://anrcatalog.ucdavis.edu>.
5. **Principles of Weed Control in California, Second or Third edition.** Published by the California Weed Science Society. Available from Thompson Publications, P.O. Box 9335, Fresno, California 93791, (209) 435-2163.
6. Weed Control Handbook. Available from University of California, Agricultural Information and Publications, 1441 Research Park Drive, University Services Bldg. #110, Davis, California 95616 (530) 757-8930..... \$70.00
7. **Pest Ratings of Noxious Weed Species and Noxious Weed Seed.** Available from Department of Food and Agriculture, Integrated Pest Control Branch, 1220 "N" Street, Sacramento, California 95814, and County Agricultural Commissioners Offices. <http://pi.cdffa.ca.gov/weedinfo/synonymstable.htm>
8. **Weed Bibliography:** <http://pi.cdffa.ca.gov/weedinfo>
9. **Weed Research and Information Center, Weed Information:** <http://wric.ucdavis.edu/information/information.html>

d. Apiary Regulations

1. **Plant Industry (Apiary Section) (Food and Agricultural Code extracts.)** Available on internet @ <http://www.leginfo.ca.gov/calaw.html>.
2. **The Hive and the Honey Bee.** 3rd Printing, A Dadant Publication, Edited by Joe M. Graham, Chapter 2, 3, 4, 24, 25, 26. Available at Sacramento Beekeeping Supply, 2110 "X" Street, Sacramento, California 95818.

4. Commodity Regulation

1. Fruit and Vegetable Quality Control

- a. **Food and Agricultural Code: Division 17 (Fruit & Vegetable Standardization).** Available on the internet @ <http://www.leginfo.ca.gov/calaw.html>.
- b. **Food and Agricultural Code: Division 13, Chapter 2 (Honey).** Available on the internet @ <http://www.leginfo.ca.gov/calaw.html>.
- c. **California Code of Regulations: Title 3, Division 3 (Fruit and Vegetable Standardization).** Available on the internet @ <http://www.calregs.com>.
- d. Two commodities are covered in the U.S. Standards: U.S. Standards for Grades of Potatoes and U.S. Standards for Grades of Cabbage. Available on internet @ <http://www.ams.usda.gov>.
- e. California Department of Food and Agriculture, *Synopsis of Standardization Codes and Procedures*. Available through on the internet @ <http://www.cdfa.ca.gov/is>.

2. Egg Quality Control

- a. **Food and Agricultural Code: Division 12 (Eggs).** Available on the internet @ <http://www.leginfo.ca.gov/calaw.html>.
- b. **California Code of Regulations: Title 3 Division 3 (Eggs).** Available on the internet @ <http://www.calregs.com>.

Shell Egg Inspection Manual. Available through California Department of Food and Agriculture, Egg Quality Control Program at (916) 445-4243. (Price \$25.00)

3. Organic

- a. **Food and Agricultural Code: Division 17, Chapter 10.** Available on the internet @ <http://www.leginfo.ca.gov/calaw.html>.
- b. **Health & Safety Code: Division 104, Part 5, Chapter 5, Article 7.** Available on the internet @ <http://www.leginfo.ca.gov/calaw.html>.
- c. **USDA Regulation.** Available on the internet @ <http://www.ams.usda.gov/nop>. **Program Information.** Available on the internet @ <http://www.cdfa.ca.gov/is/fveqc/organic.htm>.

4. Direct Marketing

- a. **Food and Agricultural Code: Division 17, Chapter 10.5.** Available on the internet @ <http://www.leginfo.ca.gov/calaw.html>.
- b. **California Code of Regulations: Title 3 Division 3.** Available on the internet @ <http://www.calregs.com>.

5. Pest Prevention and Plant Regulation

Note: Code 475 is used for all portions of the Pest Prevention and Plant Regulation examination.

Items in bold print are publications candidates should focus on.

a. Plant Quarantine and Pest Detection

1. **Plant Industry (Food and Agricultural Code extracts).** Available on the internet @ <http://www.leginfo.ca.gov/calaw.html>.
2. **Plant Quarantine Manual, County Pest Exclusion Training Manual and Quarantine Commissioner's Circulars.** Available for review at County Agricultural Commissioners' Offices and also online at www.cdfa.ca.gov/pqm.
3. Annual Report for Division of Plant Industry. Available from Department of Food and Agriculture, Pest Exclusion Branch, Suite A-372, 1220 "N" Street, Sacramento, California 95814 (Headquarters Office) or district offices.
4. **Pest Detection Trapping Guide.** Available for review at County Agricultural Commissioners Offices or Department of Food and Agriculture, Pest Detection and Emergency Projects Branch, 1220 "N" Street, Suite A-330, Sacramento, California 95814.
5. California Insects, 1979, Powell J. and C. Hogue, University of California Press, Berkeley.
6. An Introduction to the Study of Insects. 1989. Borror, Triplehorn and Johnson.
7. Agricultural Commissioner's Handbook - Memorandum Of Understanding - Plan for Pest Prevention. Available for review at any County Agricultural Commissioners' Offices.
8. <http://www.cdfa.ca.gov>
9. <http://www.aphis.usda.gov>

b. Nursery and Seed Regulation

A. Nursery Regulation

1. Nursery Inspection Procedures Manual (NIPM), especially: Item 1 Summary of California Nursery Stock Laws and Regulations pertaining to Nursery Stock; **Item 2 License to Sell, General Information; Item 2.4 Fee Exempt License; Item 3 Regulation for Nursery and Seed Inspection; Item 3.1 Nursery Stock Certificate Authorization; Item 3.5 Buyer Seller Agreement; Item 4 Nursery Inspection, Guidelines and Procedures; Item 4.1 Nursery Inspection Statistical Procedures; Item 4.3 Nursery Inspection Form; Item 5 Grades and Standards for Nursery Stock; Item 6 Nematode Certification Regulations; Item 7 Approved Nematode Certification Program; Item 7.1 Nematode Sampling Procedure; **Item 8 Disposition of Nematode Infested Stock; Item 9 Hot Water Treatment of Grapevines; Item 10 Incoming Shipments, Suggested Procedures; Item 11 Movement of Established Trees.** Available on the internet at: <http://www.cdfa.ca.gov/phpps/pe/nipm.htm>.**

2. **Sunset Western Garden Book (Plant nomenclature and characteristics)** OR other reference which gives information on characteristics and scientific and common names of horticulturally-important plants.
3. **Nursery Licensing Policy Manual, pp. 1 - 29, (also known as the "License to Sell Nursery Stock Policy" manual.)** Available from the Department of Food and Agriculture, Pest Exclusion Branch, Nursery, Seed and Cotton Program, 1220 "N" Street, Suite A-372, Sacramento, California 95814.
4. **General reading on plant propagation, plant pathology and entomology.**
5. **Food and Agricultural Code: Sections 5001 to 5010, 6701 to 6970, and 53301 to 53564.** Available on internet @ <http://www.leginfo.ca.gov/calaw.html>
6. California Code of Regulations: Division 4, Chapter 3, Subchapter 2, Article 10. Sections 3055 through 3055.6, Nursery Stock Nematode Certification; Division 4, Chapter 4, Subchapter 4. Section 3640, Nematodes: Commercially Clean Nursery Stock for Farm Planting. Available on internet @ <http://www.calregs.com>

B. Seed Regulation

1. **The California Seed Law and Regulations.** Available from the Department of Food and Agriculture, Pest Exclusion Branch, Nursery, Seed and Cotton Programs, 1220 "N" Street, Suite A-372, Sacramento, California 95814.